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TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	**CP-2017-05-05-01** **Date: 09-05-17**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC drains and CC Roads at Pipeline Attached Road Mallasandra in Ward No.13 Shettyhalli Sub Division.
Agency	:	Technical Manager (West), Karnataka Rural Infrastructure Development Limited, Project Implementation unit, No. 280, 59th Cross, 17th 'C' Main road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.
Customer's Reference	:	BBMP/EE/DD/WO/57/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-05-17
Sample ID No	:	2017-05-05-01/02
Sample Type /Size	:	Precast Cover Slab
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	05/05/2017

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(mm)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.51	100.47	1.547	4477	92.1	20.6	19.1	23.9
2	Cover Slab-2	75.52	100.24	1.615	4478	95.8	21.4	19.9	24.9
3	Cover Slab-3	75.49	100.32	1.714	4475	90.1	20.1	18.7	23.4

Note:
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Prepared by
Harshitha

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R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2017-05-05-01** **Date: 06-05-17**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC drains and CC Roads at Pipeline Attached Road Mallasandra in Ward No.13 Shettyhalli Sub Division.
Agency	:	Technical Manager (West), Karnataka Rural Infrastructure Development Limited, Project Implementation unit, No. 280, 59th Cross, 17th 'C' Main road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.
Customer's Reference	:	BBMP/EE/DD/WO/57/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-05-17
Sample ID No	:	2017-05-05-01/01
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	06-05-17

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.393	538	552	21.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.612	551	571	19.0%	Satisfactory	Satisfactory

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-05-13-02** **Date: 18-05-17**

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC drains and CC Roads at Pipeline Attached Road Mallasandra in Ward No.13 Shettyhalli Sub Division.

Agency : Technical Manager (West), Karnataka Rural Infrastructure Development Limited, Project Implementation unit, No. 280, 59th Cross, 17th 'C' Main road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.

Customer's Reference : BBMP/EE/DD/WO/57/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 13-05-17

Sample ID No : 2017-05-13-02/01

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 18/05/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	11/05/2017	18/05/2017	150.14 X 150.33 X 150.47	22571	8.174	401.8	17.8	17.5
2	Drain Concrete	M20	11/05/2017	18/05/2017	150.34 X 150.44 X 151.24	22617	8.145	398.1	17.6	
3	Drain Concrete	M20	11/05/2017	18/05/2017	150.56 X 150.98 X 150.47	22732	8.166	391.0	17.2	

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ಮಲ್ಲೇಶ್ವರ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2017-05-13-02** **Date: 08-06-17**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC drains and CC Roads at Pipeline Attached Road Mallasandra in Ward No.13 Shettyhalli Sub Division.
Agency	:	Technical Manager (West), Karnataka Rural Infrastructure Development Limited, Project Implementation unit, No. 280, 59th Cross, 17th 'C' Main road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.
Customer's Reference	:	BBMP/EE/DD/WO/57/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-05-17
Sample ID No	:	2017-05-13-02/02
Customer ID	:	C.C Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	08/06/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	C.C Road	M20	11/05/2017	08/06/2017	150.25 X 150.87 X 150.44	22668	8.175	532.7	23.5	23.5
2	C.C Road	M20	11/05/2017	08/06/2017	150.64 X 150.78 X 150.74	22713	8.155	540.6	23.8	
3	C.C Road	M20	11/05/2017	08/06/2017	150.78 X 150.64 X 150.47	22713	8.134	524.7	23.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-05-22-07** **Date: 24-05-17**

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC drains and CC Roads at Pipeline Attached Road Mallasandra in Ward No.13 Shettyhalli Sub Division.

Agency : Technical Manager (West), Karnataka Rural Infrastructure Development Limited, Project Implementation unit, No. 280, 59th Cross, 17th 'C' Main road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.

Customer's Reference : BBMP/EE/DD/WO/57/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 22-05-17

Sample ID No : 2017-05-22-07/01

Customer ID : C.C Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/05/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	C.C Road	M30	17/05/2017	24/05/2017	149.35 X 150.78 X 150.44	22519	8.098	565.2	25.1	25.1
2	C.C Road	M30	17/05/2017	24/05/2017	150.36 X 150.87 X 150.64	22685	8.274	585.3	25.8	
3	C.C Road	M30	17/05/2017	24/05/2017	150.47 X 150.66 X 150.47	22670	8.174	555.4	24.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-05-22-07** **Date: 14-06-17**

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC drains and CC Roads at Pipeline Attached Road Mallasandra in Ward No.13 Shettyhalli Sub Division.

Agency : Technical Manager (West), Karnataka Rural Infrastructure Development Limited, Project Implementation unit, No. 280, 59th Cross, 17th 'C' Main road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.

Customer's Reference : BBMP/EE/DD/WO/57/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 22-05-17

Sample ID No : 2017-05-22-07/02

Customer ID : C.C Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 14/06/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	C.C Road	M30	17/05/2017	14/06/2017	150.35 X 150.47 X 150.47	22623	8.174	751.1	33.2	33.3
2	C.C Road	M30	17/05/2017	14/06/2017	150.66 X 150.64 X 150.74	22695	8.199	767.1	33.8	
3	C.C Road	M30	17/05/2017	14/06/2017	150.66 X 150.87 X 150.47	22730	8.165	747.8	32.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-05-22-07** **Date: 27-05-17**

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC drains and CC Roads at Pipeline Attached Road Mallasandra in Ward No.13 Shettyhalli Sub Division.

Agency : Technical Manager (West), Karnataka Rural Infrastructure Development Limited, Project Implementation unit, No. 280, 59th Cross, 17th 'C' Main road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.

Customer's Reference : BBMP/EE/DD/WO/57/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 22-05-17

Sample ID No : 2017-05-22-07/03

Customer ID : C.C Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/05/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	C.C Road	M30	20/05/2017	27/05/2017	150.87 X 150.66 X 150.74	22730	8.198	563.7	24.8	25.3
2	C.C Road	M30	20/05/2017	27/05/2017	150.78 X 150.69 X 150.66	22721	8.154	574.8	25.3	
3	C.C Road	M30	20/05/2017	27/05/2017	150.47 X 150.34 X 150.75	22622	8.165	581.4	25.7	

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ಎಸ್.ಎಂ. ರಸ್ತೆ, ಮಲ್ಲೇಶ್ವರಂ, ಬೆಂಗಳೂರು

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